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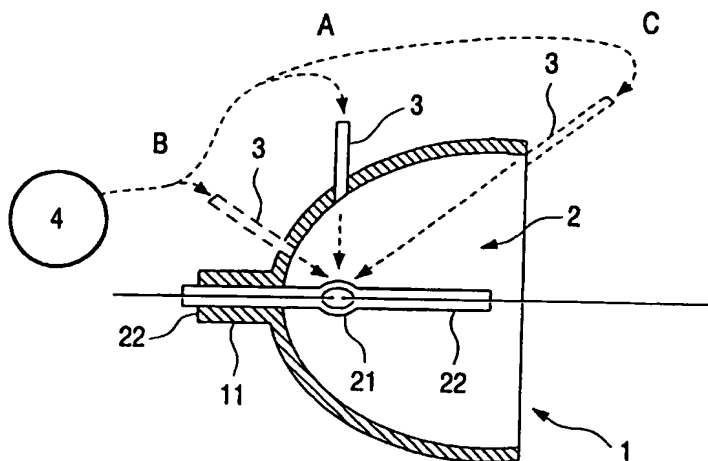
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(54) Title: DISCHARGE LAMP HAVING COOLING MEANS



(57) Abstract: A discharge lamp,  
and particularly a high-pressure  
gas-discharge lamp (an HID  
(high-intensity discharge) lamp or  
UHP (ultra-high performance) lamp),  
having a reflector and a cooling  
means is described. The cooling  
means comprises at least one nozzle  
(3) by which a flow of gas can be  
directed onto the discharge lamp,  
the at least one nozzle (3) being so  
arranged that it does not extend, at  
least to any substantial degree, into  
a beam path produced by the lamp (2)  
and the reflector (1). In this way, the  
cooling means does not produce any  
obstacles on the beam path for the  
light. With preferred embodiments,  
it is possible to produce a turbulent  
flow that surrounds particularly the  
discharge vessel (21) of the lamp

and that considerably increases the effectiveness of the cooling means. Further embodiments also allow the discharge lamp to be  
operated in a plurality of different positions without individual regions of the lamp being too little or too severely cooled.